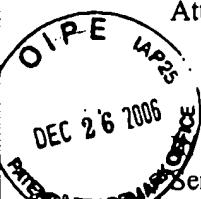


Attorney's Docket No. 5051.631XX

ZMF
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re: Gardner
Serial No. 10/820,633
Filed: April 8, 2004
For: GAMMA RAY DETECTORS HAVING IMPROVED SIGNAL-TO-NOISE RATIO
AND RELATED SYSTEMS AND METHODS FOR ANALYZING BULK
MATERIALS

Art Unit: 2884
Examiner: Constantine Hannaher
Confirmation No.: 8469

Mail Stop AF
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

December 21, 2006

AMENDMENT AFTER FINAL

Dear Sir:

OK
to
Date
CH

Applicant provides the present Amendment to address the issues raised in the Final Office Action mailed September 29, 2006 (the "Action").

If any extension of time for the accompanying response or submission is required, Applicant requests that this be considered a petition therefor. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to

JAN 8 2007 Deposit Account No. 50-0220.

Amendments to the Claims are reflected in the Listing of Claims, which begins on page 2 below.

Remarks begin on page 6 below.